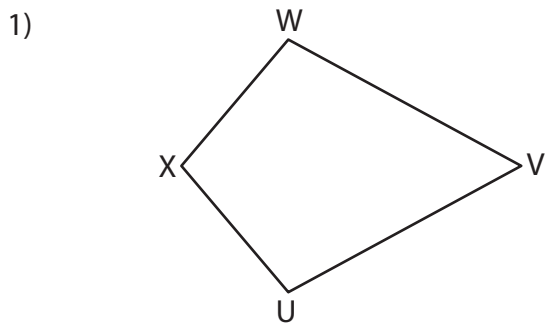


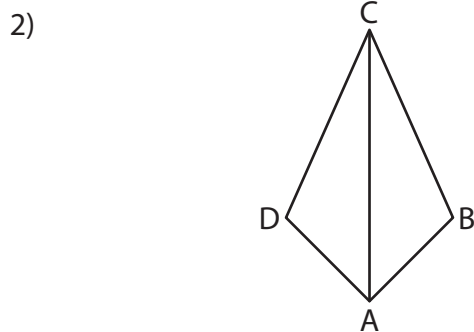
Kite - Angles

A) Solve for x in each kite and find the measure of the indicated angle.



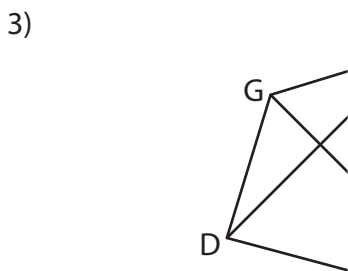
$m\angle U = (6x)^\circ$; $m\angle W = (51 + 3x)^\circ$

$x = \underline{\hspace{2cm}}$; $m\angle X = \underline{\hspace{2cm}}$



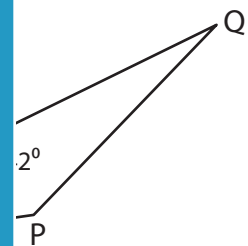
$m\angle DCA = (56 - x)^\circ$; $m\angle BCA = (x - 8)^\circ$

$m\angle C = \underline{\hspace{2cm}}$; $m\angle BCA = \underline{\hspace{2cm}}$



$m\angle GFD = (x + 3)^\circ$; $m\angle G = 120^\circ$

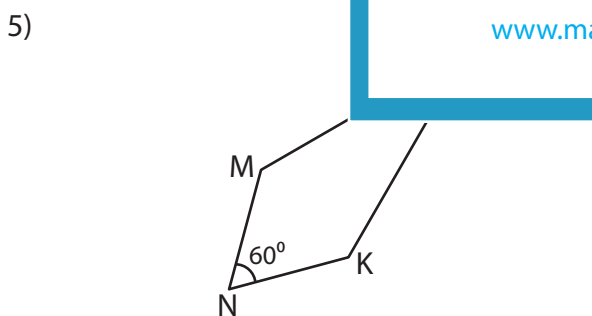
$x = \underline{\hspace{2cm}}$; $m\angle D = \underline{\hspace{2cm}}$



$m\angle Q = 36^\circ$; $m\angle Q = (-4x - 4)^\circ$

$x = \underline{\hspace{2cm}}$; $m\angle Q = \underline{\hspace{2cm}}$

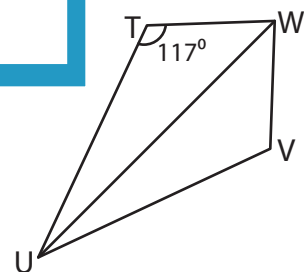
B) Solve for x in each kite and find the measure of the indicated angle.



$m\angle K = (39 + 8x)^\circ$; $m\angle L = (4x - 18)^\circ$

$x = \underline{\hspace{2cm}}$; $m\angle M = \underline{\hspace{2cm}}$

$m\angle K = \underline{\hspace{2cm}}$; $m\angle L = \underline{\hspace{2cm}}$



$m\angle TWU = (1 + 2x)^\circ$; $m\angle WUV = (-1 + x)^\circ$

$x = \underline{\hspace{2cm}}$; $m\angle VWU = \underline{\hspace{2cm}}$

$m\angle TUW = \underline{\hspace{2cm}}$; $m\angle W = \underline{\hspace{2cm}}$

PREVIEW

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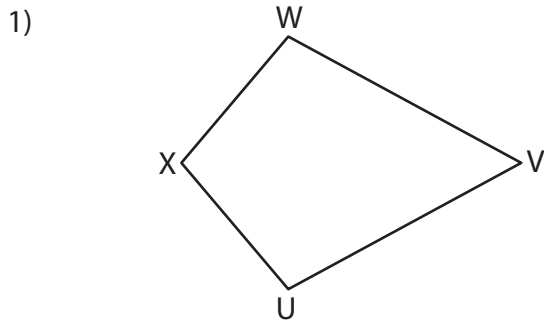
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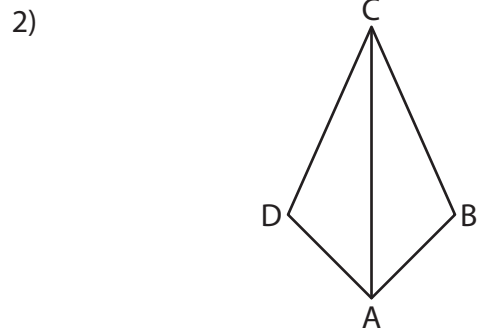
Kite - Angles

A) Solve for x in each kite and find the measure of the indicated angle.



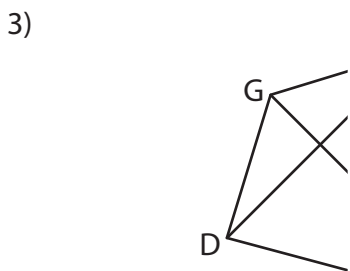
$m\angle U = (6x)^\circ$; $m\angle W = (51 + 3x)^\circ$

$x = \underline{17}$; $m\angle U = \underline{102}^\circ$



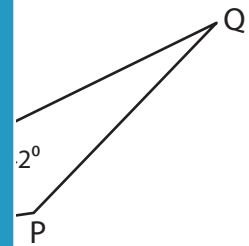
$m\angle DCA = (56 - x)^\circ$; $m\angle BCA = (x - 8)^\circ$

$x = \underline{24}$; $m\angle BCA = \underline{24}^\circ$



$m\angle GFD = (x + 3)^\circ$; $m\angle G = 126^\circ$

$x = \underline{25}$; $m\angle GFD = \underline{129}^\circ$



$m\angle Q = 36^\circ$; $m\angle Q = (-4x - 4)^\circ$

$x = \underline{-10}$; $m\angle Q = \underline{20}^\circ$

PREVIEW

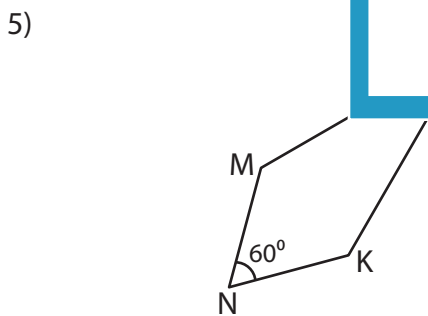
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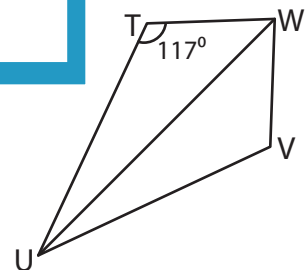
B) Solve for x in each



$m\angle K = (39 + 8x)^\circ$; $m\angle L = (4x - 18)^\circ$

$x = \underline{12}$; $m\angle M = \underline{135}^\circ$

$m\angle K = \underline{135}^\circ$; $m\angle L = \underline{30}^\circ$



$m\angle TWU = (1 + 2x)^\circ$; $m\angle WUV = (-1 + x)^\circ$

$x = \underline{21}$; $m\angle VWU = \underline{43}^\circ$

$m\angle TUW = \underline{20}^\circ$; $m\angle W = \underline{86}^\circ$